

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014159

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G01N21/35, G01W1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G01N21/00-21/61, G01W1/00-1/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI/L, ECLA, PATOLIS, JOIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-74653 A (Mitsubishi Heavy Industries, Ltd.), 23 March, 2001 (23.03.01), Full text (Family: none)	1-4, 10-12
Y	JP 10-153548 A (Mitsubishi Heavy Industries, Ltd.), 09 June, 1998 (09.06.98), Full text (Family: none)	1-4, 10-12
Y	Yoshinari GOTO, Journal of Japan Society of Hydrology & Water Resources, Vol.13, No.2 (2000), pages 114 to 123	2-4, 10-12

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
18 February, 2005 (18.02.05)

Date of mailing of the international search report
08 March, 2005 (08.03.05)

Name and mailing address of the ISA/
Japanese Patent Office

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PCT/JP2004/014159

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 8-261891 A (Koito Industries, Ltd.), 11 October, 1996 (11.10.96), Full text (Family: none)	1
Y	JP 8-261892 A (Koito Industries, Ltd.), 11 October, 1996 (11.10.96), Full text (Family: none)	1
Y	US 5303024 A (Volker Thierman), 12 April, 1994 (12.04.94), Full text (Family: none)	4
Y	Tenth Symposium of turbulence and diffusion, Volker Thierman, 1992, pages 224 to 247	4
A	Nogyo Kankyo Kogaku Kanren 4 Gakkai 2002 Nen Godo Taikai, "Asamayama Toroku Dakekanba Hayashi ni Okeru CO2 Flux Hyoka no Tameno Ranryu Tokusei no Kaiseiki", 06 August, 2002 (06.08.02), page 306	1-4, 10-12
Y	T. IEE Japan, Vol.118-C, No.12 (1998), pages 1792 to 1797	1-4, 10-12
E, A	JP 2004-219379 A (Mitsubishi Heavy Industries, Ltd.), 05 August, 2004 (05.08.04), Full text (Family: none)	1-4, 10-12
Y	Nobutaka MOJI, 'Shinrin ni Okeru Onshitsu Koka Gas Flux Kansoku Shuho ni Kansuru Teigen', National Institute for Environmental Studies Center for Global Environmental Research, 2000 Nen 7 Gatsu, pages 3 to 80	1-4, 10-12
Y	Jun ASANUMA · W. Bruttzuato, 'Heitan de Hiichiyona Shinrinjo no Secchi Sonai ni Okeru Ranryu Bunsanchi no Tokusei to Bunsanho o Mochiita Chihyomen Flux no Sokutei', Journal of Japan Society of Hydrology & Water Resources, Vol.10, No.6, (1997), pages 515 to 523	2-4, 10-12
Y	JP 9-236542 A (Nippon Bunko Kabushiki Kaisha), 09 September, 1997 (09.09.97), Full text (Family: none)	4